



## MATERIAL SAFETY DATA SHEET

### Section 1 IDENTITY

MICR Black Ink H331

### DATE PREPARED

February 10, 2002

### ATTACHMENTS

None

### TOTAL PAGES

4

### MANUFACTURER

Lake Industries, Inc.  
18 Thatcher Street  
Albany NY 12207-3009  
518-465-2735 (product information)  
518-465-2735 or 518-732-0526 (emergencies)

### Section 2

#### HAZARDOUS INGREDIENTS, IDENTITY INFORMATION

Primary Ingredients

Iron Oxide (Fe <sub>3</sub> O <sub>4</sub> ) CAS No. 1317-61-9	62.6%
Various proprietary varnishes	37.4%

There are no reportable ingredients in this formula.

#### EMERGENCY OVERVIEW

The hazards of this product should be low under normal industrial and commercial uses.

### Section 3

#### PHYSICAL/CHEMICAL CHARACTERISTICS

<u>Boiling Point</u>	NA	<u>Specific Gravity (H<sub>2</sub>O = 1)</u>	2.05
<u>Vapor Pressure (mm Hg.)</u>	NA	<u>Melting Point</u>	NA
<u>Vapor Density (AIR = 1)</u>	NA	<u>Evaporation Rate (Butyl Acetate = 1)</u>	NA
<u>Solubility in Water</u>	Insoluble		
<u>Appearance and Odor</u>	Thick, black liquid; faint odor		



**Section 4  
FIRE AND EXPLOSION HAZARD DATA**

<u>Flash Point (Method Used)</u>	<u>Flammable Limits</u>	<u>LEL</u>	<u>UEL</u>
TCC flash point > 180.0° F	NA	NA	NA
<u>Extinguishing Method</u>	Water FOG/CO <sub>2</sub> /Dry chemical		
<u>Special Fire Fighting Procedures</u>	Self-contained breathing apparatus and protective clothing should be worn in chemical fires.		
<u>Unusual Fire and Explosion Hazards</u>	During a fire, thermal decomposition or combustion may generate irritating and toxic gases.		

**Section 5  
REACTIVITY DATA**

<u>Stability</u>	Stable
<u>Conditions to Avoid</u>	Excess heat
<u>Incompatibility (Materials to Avoid)</u>	Strong oxidizing materials
<u>Hazardous Decomposition or Byproducts</u>	CO/CO <sub>2</sub> /Smoke
<u>Hazardous Polymerization</u>	Hazardous Polymerization will not occur.

**Section 6  
HEALTH HAZARD DATA**

<u>Health Hazard (Acute and Chronic)</u>	If ingested, may result in digestive tract irritation, headaches, dizziness, vomiting. May cause eye irritation and/or dermatitis.
<u>Carcinogenicity</u>	No known cancer hazards. NTP: No IARC Monographs: No OSHA Regulated: No



## Section 6 continued

### Emergency and First Aid Procedures

Eye contact first aid: flush eyes with water and wait for 15 minutes.

Skin contact first aid: Wash skin with soap and water. Remove and launder contaminated clothing.

## Section 7

### PRECAUTIONS FOR SAFE HANDLING AND USE

#### Steps to Be Taken in Case Material is Released or Spilled

Wipe up and dispose in secure closed containers. If solvent wipes are used, dispose in approved containers.

#### Waste Disposal Method

Treat or dispose of waste material in accordance with all local, state/provincial and national requirements.

#### Precautions to Be Taken in Handling and Storing

Store in closed containers in a cool, well-ventilated area. Avoid prolonged contact with skin or eyes. Keep away from heat, sparks and flame.

Keep away from food and water.

#### Other Precautions

Wash thoroughly after handling.

Personnel should wear appropriate personal protective equipment.

Avoid contact with strong oxidizing agents.

## Section 8

### CONTROL MEASURES

#### Respiratory Protection

Under normal conditions with adequate ventilation, no special handling equipment is required. General mechanical ventilation acceptable.

#### Protective Gloves

Yes, to minimize skin contamination.

#### Eye Protection

Safety glasses with side shields. If splashing may occur, wear chemical splash goggles.



### **ADDITIONAL INFORMATION**

The data in this Material Data Safety Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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**END OF MSDS**